



August 20, 2012

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Mr. Conroy,

IST Energy formally requests determination as to regulatory applicability in order to operate the GEM Waste-To-Energy system at the Plymouth County Correctional Facility at 24 Long Pond Rd. in Plymouth Massachusetts. The system has been designed and built to convert three tons of waste into usable energy for the facility in a 24 hour period of time via a gasification reactor. The synthetic gas generated will be combusted in a separate burner/boiler system to harvest heat and offset natural gas consumed by the facility. Operational descriptions of both the GEM Waste-To-Energy system and the facility are included to aid in the determination.

Under the scenario described the applicability in question is operation under the Other Solid Waste Incinerator Rule (OSWI Rule [40 CFR 60 Subpart EEEE]) as defined by Institutional Waste Incinerators. The Institutional waste will be used for heat recovery by the facility and therefore the facility is not covered under 129.

Boiler operation using the syngas generated by the waste would be covered by the Area Source Boiler Rule (40 CFR Part 63 Subpart JJJJJ). However, the syngas is a gaseous fuel and the total yearly emission rate is 25 tons of CO₂ eq. therefore the Area Source Boiler Rule does not apply

Regards,

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Cc. Ian Cohen, Patrick Bird